JOURNAL FOR CONTROL, MEASUREMENT, ELECTRONICS, COMPUTING AND COMMUNICATIONS

Published by KoREMA
Zagreb, Croatia

doi: 10.7305
Online ISSN 1848-3380
Print ISSN 0005–1144
UDK: 007:62/68 No 3

CONTENTS

561 Editorial

Branimir Novoselnik, Martin Bolfek, Marin Bošković, Mato Baotić

567 Dynamic Management of Electrical Power Distribution Networks
original scientific paper

Martina Kutija, Damir Sumina, Igor Čolović

578 PLL-based Rotor Flux Estimation Method for Sensorless Vector
Controlled Squirrel-Cage Induction Generators
original scientific paper

Mao Lin, Ying-hui Li, Nin Li, Chen Wu, Jian-Bin Gao

589 FCS-MPC Control Strategy for a New Fault Tolerant Three-level
Inverter
original scientific paper

Teekaraman Yuvaraja, Mani Gopinath

599 New Gen Algorithm for Detecting Sag and Swell Voltages in Single
Phase Inverter System for Micro grid
original scientific paper

N. Gunavardhini, M. Chandrasekaran

610 Power Quality in Railway Traction and Compensation by
Combining Shunt Hybrid Filter and TCR
original scientific paper

M’Hamed Doumi, Abdel Ghani Aissaoui, Mohamed Abid, Ahmed Tahour, Khaljallah Tahir

617 Robust Fuzzy Gains Scheduling of RST Controller for a WECS
Based on a Doubly-Fed Induction Generator
original scientific paper
R. Pon Vengatesh, S. Edward Rajan 627 Investigation of High gain MIC power converter for multicrystal PV module employing fuzzy logic technique
original scientific paper

Kamil Klimkowski, Mateusz Dybkowski 638 A Fault Tolerant Control Structure for an Induction Motor Drive System
original scientific paper

Huan Liu, Hai Zhang 648 An Improved DTC for In-wheel BLDC motors in Micro All-electric Vehicles
original scientific paper

Kamel Ben Saad, Ahlem Mbarek 660 Half step position sensorless control of a Linear Switched Reluctance Motor based on back EMF
original scientific paper

A. Ramya, A. Imthiaz, M. Balaji 672 Hybrid Self Tuned Fuzzy PID controller for speed control of Brushless DC Motor
original scientific paper

Jiangtao Feng, Qinhe Gao, Xianxiang Huang, Wenling Guan 680 Mathematical Modeling and Fuzzy Control of a Leveling and Erecting Mechanism
original scientific paper

Irfan Ahmad, Akram M. Abdurraqeeb 691 $H_{\infty}$ control design with feed-forward compensator for hysteresis compensation in piezoelectric actuators
original scientific paper

Habib ben Zina, Moez Allouche, Mansour Souissi, Mohamed Chaabane, Larbi Chrif-Alaoui, Maha Bouattour 703 Descriptor Observer Based Fault Tolerant Tracking Control for Induction Motor Drive
original scientific paper

Erdal Kilic, Hasan Riza Ozcalik, Saban Yilmaz 714 Efficient speed control of induction motor using RBF based model reference adaptive control method
original scientific paper

original scientific paper

Toufiq Roubache, Souad Chaouch, Mohamed-Saïd Naït-Saïd 736 Backstepping design for fault detection and FTC of an induction motor drives-based EVs
original scientific paper

Nicolás González, Oscar Salas-Peña, Jesús de León-Morales, Sergio Rosales, Vicente Parra-Vega 749 Observer-based Integral Sliding Mode Approach for Bilateral Teleoperation with Unknown Time Delay
original scientific paper

Emma Baklouti, Nader Ben Amor, Mohamed Jalloulli 761 Autonomous wheelchair navigation with real time obstacle detection using 3D sensor
original scientific paper

Rade Švraka, Dragan Mitić, Aleksandar Lebl, Žarko Markov 774 Calculating Limits of Base Station Emission Power in GSM
original scientific paper
Branko Dokic, Aleksandar Pajkanovic

782 Conventional and sub-threshold operation regimes of CMOS digital circuits
original scientific paper

Farzad H. Panahi, Parvin Farhadi, Zhila H. Panahi

793 Spectral-Efficient Green Wireless Communications via Cognitive UWB Signal Model
original scientific paper


810 Multiple Kinect V2 Calibration
original scientific paper

Abdullah M. Iliyasu, Chastine Fatichah, Khaled A. Abuhasel

822 Evidence Accumulation Clustering with Possibilistic Fuzzy C-Means base clustering approach to disease diagnosis
original scientific paper

Ognjen Orel, Slaven Zatošek, Mirta Baranović

836 Property Oriented Relational-To-Graph Database Conversion
original scientific paper

846 IFAC Newsletter